

Appl. No. 10/642,949  
Attorney Docket No.: 2002B116/2  
Supplem. Response dated February 20, 2007  
Reply to Advisory Action dated January 17, 2007

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### REMARKS/ARGUMENTS

Claims 1-3, 5, 8-21, 24, and 26-78, as amended herein, are pending in the application and stand rejected. Entry of the foregoing amendment and reconsideration of the claims is respectfully requested. In particular, Applicant previously amended base claims 1 and 17 to recite a puncture resistance damaging energy value of at least 125 mJ/ $\mu$ m. Applicant has now amended claim 1 herein to recite a puncture resistance damaging energy value (PRDEV) of at least 140 mJ/ $\mu$ m, as supported by the originally-filed specification, *e.g.*, at paragraph 120. It has recently come to Applicant's attention that a PRDEV of at least 140 mJ/ $\mu$ m is applicable for all films, and not just for multilayer films. As a result, Applicant has also cancelled claim 4. However, the originally-filed specification, *e.g.*, at paragraph 119, still supports the PRDEV feature of at least 125 mJ/ $\mu$ m for multilayer films, such as those recited in independent claim 17. As such, the pending claims are in condition for allowance. Withdrawal of the rejections and allowance of the claims is respectfully requested.

Claims 1-5, 8-22, 24, and 26-78 were rejected under 35 U.S.C. § 103(a) as obvious over U.S. Patent No. 6,359,072 to Whaley (hereinafter "Whaley"). Claims 1-5, 8-22, 24 and 26-78 also were rejected under 35 U.S.C. § 103(a) as obvious over U.S. Patent No. 6,482,532 to Yap *et al.* (hereinafter "Yap"). Applicant respectfully traverses the rejections.

Neither Whaley nor Yap, alone or in combination, teach, show, or suggest polymer films having the presently claimed combination of compositional and physical characteristics. Whaley discloses three films having a puncture resistance of about 25 in-lb/mil or less which is about 111 mJ/ $\mu$ m or less (25 in-lb/mil \* 112.98 mJ/in-lb \* 1 mil/25.4  $\mu$ m  $\approx$  111 mJ/ $\mu$ m). *See* Whaley at Table 1; *see also* [www.onlineconversion.com](http://www.onlineconversion.com) for conversion values. Yap discloses films having a puncture resistance of even less. *See* Yap at Table 2, reporting puncture energies of 0.3 J (300 mJ) for 11  $\mu$ m gauge copolymer films (300 mJ / 11  $\mu$ m  $\approx$  27 mJ/ $\mu$ m). For at least this reason, neither Whaley nor Yap teach, show, or suggest a film comprising 1) a polyethylene copolymer having the unique combination of a CDBI of at least 70%, a melt index  $I_{2.16}$  of from 0.1 to 15 g/10 min, a density of from 0.910 to 0.940 g/cm<sup>3</sup>, a melt index ratio  $I_{21.6}/I_{2.16}$  of from 30 to 80, and an  $M_w/M_n$  ratio of from 2.5 to 5.5; and 2) a low density polyethylene (LDPE) having a

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melt index  $I_{2,16}$  of from 0.05 to 10 g/10 min and a density of from 0.920 to 0.940 g/cm<sup>3</sup>, wherein the film has a clarity value of at least 10%; a puncture resistance damaging energy value of at least 125 mJ/μm or at least 140 mJ/μm; a machine direction plastic force of less than 7 cN/15 mm, and a machine direction shrink stress of at least 1.10 mPa, as recited in every claim. Such unique combination of physical properties produces a shrink film having a surprising and unexpected balance of optical, physical, and mechanical properties. Accordingly, Applicant respectfully requests reconsideration and withdrawal of the rejections.

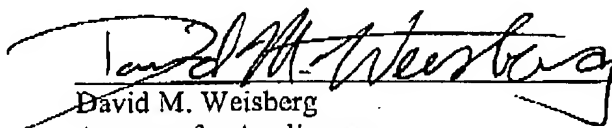
#### CONCLUSION

Having addressed all issues set out in the office action, Applicant respectfully submits that the pending claims are now in condition for allowance. Applicant invites the Examiner to telephone the undersigned attorney if there are any issues outstanding which have not been addressed to the Examiner's satisfaction.

A petition for extension of time for two (2) months is included with this submission; in any event, the Commissioner is hereby authorized to charge Deposit Account No. 05-1712 (Docket No. 2002B116/2), for any fees, including extension of time fees and excess claim fees, required to make this response timely and acceptable to the Office.

Respectfully submitted,

Date: 2/20/07

  
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